


		NTSB ID: SEA02LA047		Aircraft Registration Number: N5413J	
		Occurrence Date: 03/03/2002		Most Critical Injury: None	
		Occurrence Type: Accident		Investigated By: NTSB	
Location/Time					
Nearest City/Place Longmont	State CO	Zip Code 80503	Local Time 1100	Time Zone MST	
Airport Proximity: On Airport		Distance From Landing Facility:		Direction From Airport:	
Aircraft Information Summary					
Aircraft Manufacturer Cessna		Model/Series 172N		Type of Aircraft Airplane	
Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On March 3, 2002, at 1100 mountain standard time, a Cessna 172N, N5413J, sustained substantial damage when it went off the side of runway 29 and flipped over during landing at Vance Brand Airport (2V2) in Longmont, Colorado. The student pilot, the solo occupant, was not injured. The aircraft was registered to a private owner and was being operated by Flatirons Aviation of Boulder, Colorado, on a visual flight rules (VFR) instructional flight under the provisions of Title 14 CFR Part 91. Visual meteorological conditions prevailed, and no flight plan was filed for the flight. The flight departed Boulder Municipal Airport (1V5), Boulder, Colorado, about 1040.</p> <p>The student reported that the runway was icy at the time of the landing. He reported that he attempted a soft field landing at 60 knots. He stated that he slowed to 30 knots, at which point the aircraft hit a patch of ice. He reported that the airplane skidded to the left, the nosewheel hit a large mound of snow, and the airplane flipped onto its back. The student pilot reported that no mechanical failure or malfunction was involved in the accident. The student pilot reported in his narrative of the accident that he had a 10-knot tailwind, but reported in the weather data blocks on his NTSB pilot accident report that winds were from 290 degrees at 10 knots (he also filled in 10 knots in the "Gusts" weather data block.) The student reported a temperature of 40 degrees F at the time of the accident on his NTSB accident report. At 1045, Jeffco Airport in Broomfield, Colorado, reported a temperature of -4 degrees C (25 degrees F) and variable winds at 3 knots.</p> <p>According to the U.S. Government Airport/Facility Directory (A/FD), Vance Brand Airport runway 29 is a 4,800-foot by 75-foot concrete runway.</p>					
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		Occurrence Date: 03/03/2002			
		Occurrence Type: Accident			
Landing Facility/Approach Information					
Airport Name Vance Brand	Airport ID: 2V2	Airport Elevation 5052 Ft. MSL	Runway Used 29	Runway Length 4800	Runway Width 75
Runway Surface Type: Concrete					
Runway Surface Condition: Ice					
Type Instrument Approach: NONE					
VFR Approach/Landing: Full Stop					
Aircraft Information					
Aircraft Manufacturer Cessna		Model/Series 172N		Serial Number 17273784	
Airworthiness Certificate(s): Normal; Utility					
Landing Gear Type: Tricycle					
Homebuilt Aircraft? No	Number of Seats: 4	Certified Max Gross Wt. LBS		Number of Engines: 1	
Engine Type: Reciprocating	Engine Manufacturer: Lycoming		Model/Series: O-320		Rated Power:
- Aircraft Inspection Information					
Type of Last Inspection Unknown	Date of Last Inspection	Time Since Last Inspection Hours		Airframe Total Time Hours	
- Emergency Locator Transmitter (ELT) Information					
ELT Installed? Yes	ELT Operated? Yes		ELT Aided in Locating Accident Site? No		
Owner/Operator Information					
Registered Aircraft Owner Carl E. Lawrence		Street Address 2810 Olson Dr			
		City Boulder	State CO	Zip Code 803031008	
Operator of Aircraft Flatirons Aviation		Street Address 3300 Airport Rd, Box L			
		City Boulder	State CO	Zip Code 80301	
Operator Does Business As:			Operator Designator Code: YFAA		
- Type of U.S. Certificate(s) Held:					
Air Carrier Operating Certificate(s): On-demand Air Taxi					
Operating Certificate:			Operator Certificate:		
Regulation Flight Conducted Under: Part 91: General Aviation					
Type of Flight Operation Conducted: Instructional					
<div style="display: flex; justify-content: space-between;"> FACTUAL REPORT - AVIATION Page 2 </div>					


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First Pilot Information																																																																																			
Name		City		State	Date of Birth	Age																																																																													
On File		On File		On File	On File	37																																																																													
Sex: M	Seat Occupied: Left	Principal Profession: Unknown		Certificate Number: On File																																																																															
Certificate(s): Student																																																																																			
Airplane Rating(s): None																																																																																			
Rotorcraft/Glider/LTA: None																																																																																			
Instrument Rating(s): None																																																																																			
Instructor Rating(s): None																																																																																			
Type Rating/Endorsement for Accident/Incident Aircraft? Yes				Current Biennial Flight Review?																																																																															
Medical Cert.: Class 3		Medical Cert. Status: Valid Medical--no waivers/lim.		Date of Last Medical Exam: 12/2001																																																																															
<table border="1"> <tr> <th>- Flight Time Matrix</th> <th>All A/C</th> <th>This Make and Model</th> <th>Airplane Single Engine</th> <th>Airplane Multi-Engine</th> <th>Night</th> <th colspan="2">Instrument Actual Simulated</th> <th>Rotorcraft</th> <th>Glider</th> <th>Lighter Than Air</th> </tr> <tr> <td>Total Time</td> <td>38</td> <td>34</td> <td>38</td> <td></td> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Pilot In Command(PIC)</td> <td>10</td> <td>10</td> <td>10</td> <td></td> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Instructor</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 90 Days</td> <td>38</td> <td>34</td> <td>38</td> <td></td> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 30 Days</td> <td>8</td> <td>8</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Last 24 Hours</td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>							- Flight Time Matrix	All A/C	This Make and Model	Airplane Single Engine	Airplane Multi-Engine	Night	Instrument Actual Simulated		Rotorcraft	Glider	Lighter Than Air	Total Time	38	34	38		3						Pilot In Command(PIC)	10	10	10		3						Instructor											Last 90 Days	38	34	38		3						Last 30 Days	8	8	8								Last 24 Hours	1	1	1							
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Seatbelt Used? Yes		Shoulder Harness Used? Yes		Toxicology Performed? No		Second Pilot? No																																																																													
Flight Plan/Itinerary																																																																																			
Type of Flight Plan Filed: None																																																																																			
Departure Point		State	Airport Identifier	Departure Time	Time Zone																																																																														
Boulder		CO	1V5	1040	MST																																																																														
Destination		State	Airport Identifier																																																																																
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Type of Airspace: Class G																																																																																			
Weather Information																																																																																			
Source of Briefing: Unknown																																																																																			
Method of Briefing: Telephone																																																																																			

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			Occurrence Type: Accident		

Weather Information					
WOF ID	Observation Time	Time Zone	WOF Elevation <div style="text-align: right;">Ft. MSL</div>	WOF Distance From Accident Site <div style="text-align: right;">NM</div>	Direction From Accident Site <div style="text-align: right;">Deg. Mag.</div>
Sky/Lowest Cloud Condition: Clear			Ft. AGL	Condition of Light: Day	
Lowest Ceiling: None			Ft. AGL	Visibility: 40 SM	Altimeter: "Hg
Temperature: 4 °C	Dew Point: °C	Wind Direction: 290			Density Altitude: Ft.
Wind Speed: 10	Gusts:	Weather Conditions at Accident Site: Visual Conditions			
Visibility (RVR): Ft.	Visibility (RVV) SM	Intensity of Precipitation:			
Restrictions to Visibility: None					
Type of Precipitation: None					

Accident Information					
Aircraft Damage: Substantial		Aircraft Fire: None		Aircraft Explosion: None	
Classification: U.S. Registered/U.S. Soil					

- Injury Summary Matrix	Fatal	Serious	Minor	None	TOTAL
First Pilot				1	1
Second Pilot					
Student Pilot					
Flight Instructor					
Check Pilot					
Flight Engineer					
Cabin Attendants					
Other Crew					
Passengers					
- TOTAL ABOARD -				1	1
Other Ground					
- GRAND TOTAL -				1	1

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Administrative Information		
<p>Investigator-In-Charge (IIC)</p> <p>Gregg Nesemeier</p>		
<p>Additional Persons Participating in This Accident/Incident Investigation:</p> <p>Tom Forchtner Aviation Safety Inspector FAA - Denver FSDO 26805 East 68th Avenue, Suite 200 Denver, CO 80249</p>		
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